

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L2 | 1 | 10/564737 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L3 | 1737 | phased adj2 array near2 transducer | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L4 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L5 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L6 | 172 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L7 | 2 | L3 and L6 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L8 | 7 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L9 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |

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| L10 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L11 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L12 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L13 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L14 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L15 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L16 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L17 | 15 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L18 | 84429 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L19 | 1208 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L20 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L21 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L22 | 16 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L23 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L24 | 6 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L25 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L26 | 1737 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L27 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L28 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L29 | 172 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L30 | 2 | L26 and L29 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L31 | 7 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L32 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L33 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L34 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L35 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L36 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L37 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L38 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L39 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L40 | 15 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L41 | 84429 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L42 | 1208 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L43 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L44 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L45 | 16 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L46 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L47 | 6 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L48 | 1 | defect near3 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L49 | 1 | (defect or crack) near5 location near5 "phase- locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L50 | 1 | (defect or crack) near5 locat\$4 near5 "phase- locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L51 | 172 | (defect or crack) near5 locat\$4 near5 phase | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L52 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L53 | 2 | 11/489892 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L54 | 2 | "4497210".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L55 | 51646 | (static or vacuum) adj3 suction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L56 | 23 | (static or vacuum) adj3 suction near3 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L57 | 2 | "6789427".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L58 | 2 | "4752895".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L59 | 2 | "6789427".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L60 | 1 | (phased adj1 array) near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L61 | 1 | (phased or transucer) adj1 array near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L62 | 2 | "4342063".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L63 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L64 | 1737 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L65 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L66 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L67 | 172 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L68 | 2 | L64 and L67 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L69 | 7 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L70 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L71 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L72 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L73 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L74 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |

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| L75 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L76 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L77 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L78 | 15 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L79 | 84429 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L80 | 1208 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L81 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L82 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L83 | 16 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L84 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L85 | 6 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L86 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L87 | 1737 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L88 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L89 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L90 | 172 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L91 | 2 | L87 and L90 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L92 | 7 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debris or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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|------|-------|---|---|----|----|---------------------|
| L93 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L94 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L95 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L96 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L97 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L98 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L99 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L100 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L101 | 15 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L102 | 84429 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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|------|------|---|--|----|----|------------------|
| L103 | 1208 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L104 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L105 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L106 | 16 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L107 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L108 | 6 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L109 | 1 | defect near3 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L110 | 1 | (defect or crack) near5 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L111 | 1 | (defect or crack) near5 locat\$4 near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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|------|-------|---|---|----|----|---------------------|
| L112 | 172 | (defect or crack) near5 locat\$4 near5 phase | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L113 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L114 | 2 | 11/489892 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L115 | 2 | "4497210".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L116 | 51646 | (static or vacuum) adj3 suction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L117 | 23 | (static or vacuum) adj3 suction near3 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L118 | 2 | "6789427".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L119 | 2 | "4752895".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L120 | 2 | "6789427".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L121 | 1 | (phased adj1 array) near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L122 | 1 | (phased or transucer) adj1 array near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L123 | 1 | (acoustic\$4 or ultrasonic \$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L124 | 49 | (acoustic\$4 or ultrasonic \$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L125 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L126 | 1 | (summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L127 | 43 | (summ\$4 or add\$4) near5 (addi\$5 or summ \$4) near5 amplitude near5 (memory or stor\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L128 | 1 | "phase locked addition" same defect near3 locat \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L129 | 2 | "phase locked addition" same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L130 | 296 | phase near3 addition same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L131 | 4 | phase near3 addition same defect near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L132 | 880 | time near3 amplitude near5 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L133 | 3 | (defect or fault or flaw) near5 time near3 amplitude near5 correct \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L134 | 31 | locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L135 | 3 | phase-locked near5 (addition or summing or adding or subtract\$4) near5 amplitude near5 time | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L136 | 5 | phase-locked near5 (addition or summing or adding or subtract\$4) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L137 | 2 | "7228741".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L138 | 2 | "7231304".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L139 | 1 | ("20060187465").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/20 09:34 |
| L140 | 3 | time near5 amplitude near5 correct\$4 same defect near5 (position or locat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L141 | 1 | "time dependent amplitude correction" same defect near3 (locat \$4 or position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L142 | 1 | "time dependent amplitude correction" same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L143 | 1 | "time dependent amplitude correction" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L144 | 1878 | time with amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L145 | 1113 | time near5 amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L146 | 4 | time adj1 depend\$4 near5 amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L147 | 12 | phas\$4 adj2 array near5 (pipe or tube) same (defect or flaw or fault) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L148 | 2 | "7357014".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L149 | 1 | 11/562782 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L150 | 1 | 11/632507 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L151 | 2 | "4545021".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L152 | 2 | "5040980".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L153 | 2 | "4277976".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L154 | 285 | 700/279 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L155 | 2 | "5060205".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L156 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L157 | 89 | wavelet adj3 filter near5 digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L158 | 295 | wavelet adj3 filter same digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L159 | 1 | array near5 wavelet adj3 filter same digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L160 | 1 | digitalization near5 wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L161 | 1 | digitalization same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L162 | 295 | digit\$6 same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L163 | 1737 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L164 | 1849 | wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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|------|--------|--|--|----|----|------------------|
| L165 | 172 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L166 | 1 | L164 and L165 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L167 | 295 | digit\$6 same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L168 | 10 | receiv\$4 adj3 signal near5 wavelet adj3 filter \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L169 | 83 | receiv\$4 adj3 signal same wavelet adj3 filter\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L170 | 105176 | filter\$4 near5 digit\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L171 | 199178 | reduc\$4 near3 data | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L172 | 9947 | L170 and L171 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L173 | 146 | L172 and wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L174 | 90 | L172 and "wavelet filter" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L175 | 9 | ("6567006").URPN. | USPAT | OR | ON | 2009/04/20 09:34 |
| L176 | 7 | phased adj2 array near2 transducer same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L177 | 134 | (generat\$4 or transmitt\$4 or send\$4) near5 parallel same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L178 | 3 | (generat\$4 or transmitt\$4 or send\$4) near5 (delay or tim\$4) near5 parallel same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L179 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude with propagat\$4 adj3 tim \$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L180 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude near5 tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L181 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude near5 tim\$4 same (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L182 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) near5 locat \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |

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| L183 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (locat\$4 or position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L184 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude and time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L185 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude with time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L186 | 2 | (phase-locked or "phase locked") same (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude with time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L187 | 1 | (phase-locked or "phase locked") same amplitude with propagat\$4 adj3 tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L188 | 2 | (phase-locked or "phase locked") same amplitude with tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| L189 | 9 | (ultrasonic or ultrasound or sonic or sound) same amplitude with tim\$4 near5 (defect or flaw or crack) near5 locat\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/20 09:34 |
| S1 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:28 |
| S2 | 1612 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:30 |

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| S3 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:31 |
| S4 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:31 |
| S5 | 167 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:32 |
| S6 | 2 | S2 and S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:32 |
| S8 | 6 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:34 |
| S9 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2008/07/10 21:39 |
| S10 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/10 21:39 |
| S11 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/10 21:47 |
| S12 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2008/07/10 21:47 |
| S13 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/10 21:47 |

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| S14 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/19 20:09 |
| S15 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/19 20:52 |
| S16 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:02 |
| S17 | 14 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:02 |
| S18 | 77764 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:20 |
| S23 | 1111 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:31 |
| S24 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:33 |
| S25 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2008/07/20 16:36 |
| S28 | 15 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:39 |

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| S29 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 16:48 |
| S33 | 5 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:44 |
| S34 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S35 | 1614 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S36 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S37 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S38 | 167 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S39 | 2 | S35 and S38 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S41 | 6 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debris or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |

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| S42 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2008/07/20 17:58 |
| S43 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/20 17:58 |
| S44 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S45 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2008/07/20 17:58 |
| S46 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/20 17:58 |
| S47 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S48 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S49 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S50 | 14 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S51 | 77764 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |

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| S56 | 1111 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S57 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S58 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2008/07/20 17:58 |
| S61 | 15 | (acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S62 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S66 | 5 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/20 17:58 |
| S67 | 1 | defect near3 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:08 |
| S68 | 1 | (defect or crack) near5 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:09 |
| S69 | 1 | (defect or crack) near5 locat\$4 near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:09 |

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| S70 | 156 | (defect or crack) near5 locat\$4 near5 phase | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:09 |
| S71 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:17 |
| S72 | 1 | 11/489892 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:19 |
| S73 | 2 | "4497210".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:20 |
| S74 | 49667 | (static or vacuum) adj3 suction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:36 |
| S75 | 22 | (static or vacuum) adj3 suction near3 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:36 |
| S76 | 2 | "6789427".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:42 |
| S77 | 2 | "4752895".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:46 |
| S78 | 2 | "6789427".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 19:50 |

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| S80 | 1 | (phased adj1 array) near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 20:22 |
| S81 | 1 | (phased or transucer) adj1 array near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/08/15 20:22 |
| S82 | 2 | "4342063".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 11:30 |
| S83 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S84 | 1630 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S85 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S86 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S87 | 168 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S88 | 2 | S84 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |

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| S90 | 6 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S91 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S92 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/02 12:28 |
| S93 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S94 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S95 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/02 12:28 |
| S96 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S97 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S98 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S99 | 14 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |

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| S100 | 78724 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S105 | 1129 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S106 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S107 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S110 | 15 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S111 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S115 | 5 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S116 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S117 | 1630 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |

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| S118 | 1 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S119 | 1 | phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S120 | 168 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S121 | 2 | S117 and S120 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S123 | 6 | phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S124 | 0 | ("7305885").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S125 | 9 | ("20020065610" "4174636" "4180790" "4974558" "5119342" "5520186" "5522265" "5617862" "5804731").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/02 12:28 |
| S126 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S127 | 0 | ("6023660").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S128 | 8 | ("4165649" "4452082" "4655228" "4706031" "4787393" "5029475" "5347495" "5351544").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/02 12:28 |

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| S129 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S130 | 2 | array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S131 | 1 | phase-locked adj1 addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S132 | 14 | phase adj3 locked with addition near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S133 | 78724 | (phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S138 | 1129 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S139 | 4 | (detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S140 | 5 | ("4342063").URPN. | USPAT | OR | ON | 2008/09/02 12:28 |
| S143 | 15 | (acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |

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| S144 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S148 | 5 | phased adj2 array same (defect or fault) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S149 | 1 | defect near3 location near5 "phase-locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S150 | 1 | (defect or crack) near5 location near5 "phase- locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S151 | 1 | (defect or crack) near5 locat\$4 near5 "phase- locked addition" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S152 | 156 | (defect or crack) near5 locat\$4 near5 phase | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S153 | 1 | 10/564737 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S154 | 1 | 11/489892 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S155 | 2 | "4497210".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |

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| S156 | 49768 | (static or vacuum) adj3 suction | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S157 | 22 | (static or vacuum) adj3 suction near3 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S158 | 2 | "6789427".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S159 | 2 | "4752895".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S160 | 2 | "6789427".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S162 | 1 | (phased adj1 array) near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S163 | 1 | (phased or transucer) adj1 array near5 outer near3 (defect or flaw) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/02 12:28 |
| S164 | 1 | (acoustic\$4 or ultrasonic \$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 17:39 |

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| S165 | 48 | (acoustic\$4 or ultrasonic \$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 17:40 |
| S166 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 17:49 |
| S167 | 1 | (summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 20:42 |
| S168 | 42 | (summ\$4 or add\$4) near5 (addi\$5 or summ \$4) near5 amplitude near5 (memory or stor\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:28 |
| S169 | 1 | "phase locked addition" same defect near3 locat \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:32 |
| S170 | 2 | "phase locked addition" same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:32 |
| S171 | 279 | phase near3 addition same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:33 |
| S172 | 3 | phase near3 addition same defect near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:33 |
| S173 | 841 | time near3 amplitude near5 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:41 |

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| S174 | 3 | (defect or fault or flaw) near5 time near3 amplitude near5 correct \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:41 |
| S175 | 30 | locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 21:43 |
| S176 | 3 | phase-locked near5 (addition or summing or adding or subtract\$4) near5 amplitude near5 time | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 22:04 |
| S177 | 5 | phase-locked near5 (addition or summing or adding or subtract\$4) near5 amplitude | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/03 22:04 |
| S178 | 2 | "7228741".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 20:26 |
| S179 | 2 | "7231304".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:41 |
| S180 | 1 | ("20060187465").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/04 21:41 |
| S181 | 3 | time near5 amplitude near5 correct\$4 same defect near5 (position or locat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:52 |
| S182 | 1 | "time dependent amplitude correction" same defect near3 (locat \$4 or position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:54 |

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| S183 | 1 | "time dependent amplitude correction" same defect | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:54 |
| S184 | 1 | "time dependent amplitude correction" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:54 |
| S185 | 1811 | time with amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:54 |
| S186 | 1055 | time near5 amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:55 |
| S187 | 4 | time adj1 depend\$4 near5 amplitude near3 correct\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 21:55 |
| S190 | 12 | phas\$4 adj2 array near5 (pipe or tube) same (defect or flaw or fault) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/04 22:01 |
| S191 | 2 | "7357014".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/05 19:54 |
| S192 | 1 | 11/562782 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/05 20:56 |
| S193 | 1 | 11/632507 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/05 20:56 |

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| S194 | 2 | "4545021".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 08:29 |
| S195 | 2 | "5040980".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 08:32 |
| S196 | 2 | "4277976".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 08:48 |
| S197 | 270 | 700/279 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 10:46 |
| S198 | 2 | "5060205".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 15:57 |
| S199 | 2 | "6023660".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 17:44 |
| S200 | 85 | wavelet adj3 filter near5 digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:06 |
| S201 | 272 | wavelet adj3 filter same digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:08 |
| S202 | 1 | array near5 wavelet adj3 filter same digit\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:08 |

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| S203 | 1 | digitalization near5 wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:22 |
| S204 | 1 | digitalization same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:22 |
| S205 | 272 | digit\$6 same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:23 |
| S206 | 1630 | phased adj2 array near2 transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:23 |
| S207 | 1699 | wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:23 |
| S208 | 168 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:24 |
| S209 | 1 | S207 and S208 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:25 |
| S210 | 272 | digit\$6 same wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:26 |
| S211 | 10 | receiv\$4 adj3 signal near5 wavelet adj3 filter \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:37 |

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| S212 | 76 | receiv\$4 adj3 signal same wavelet adj3 filter\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 18:38 |
| S213 | 99378 | filter\$4 near5 digit\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 19:38 |
| S214 | 185038 | reduc\$4 near3 data | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 19:38 |
| S215 | 9263 | S213 and S214 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 19:38 |
| S216 | 134 | S215 and wavelet adj3 filter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 19:38 |
| S217 | 84 | S215 and "wavelet filter" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 19:40 |
| S218 | 8 | ("6567006").URPN. | USPAT | OR | ON | 2008/09/08 19:48 |
| S219 | 7 | phased adj2 array near2 transducer same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 20:49 |
| S220 | 121 | (generat\$4 or transmitt\$4 or send\$4) near5 parallel same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 21:38 |

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| S221 | 3 | (generat\$4 or transmitt\$4 or send\$4) near5 (delay or tim\$4) near5 parallel same interference adj1 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/08 21:39 |
| S225 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude with propagat\$4 adj3 tim \$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:15 |
| S226 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude near5 tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:16 |
| S227 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same amplitude near5 tim\$4 same (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:16 |
| S228 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) near5 locat \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:17 |
| S229 | 1 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (locat \$4 or position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:17 |
| S230 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude and time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:21 |
| S231 | 2 | phase-locked near5 (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude with time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:21 |
| S232 | 2 | (phase-locked or "phase locked") same (summ\$4 or add\$4 or addition) same (defect or flaw or crack) same (amplitude with time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:22 |

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| S233 | 1 | (phase-locked or "phase locked") same amplitude with propagat\$4 adj3 tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:23 |
| S234 | 2 | (phase-locked or "phase locked") same amplitude with tim\$4 near5 (defect or flaw or crack) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:24 |
| S235 | 9 | (ultrasonic or ultrasound or sonic or sound) same amplitude with tim\$4 near5 (defect or flaw or crack) near5 locat\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/19 14:24 |

4/20/2009 9:45:40 AM

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